

IN THE CLAIMS:

1. (currently amended) In a network including a scanning device, a scan description language (SDL) method for managing a scan job, the method comprising:

scanning a document at [[a]] the scanning device;
selecting segmentation options chosen from a group including optical character recognition (OCR), font replacement, language translation, filtering, and vector/bitmap enhancements;
constructing [[a]] the scan job using SDL commands;
partially performing the scan job at the scanning device in response to the SDL commands; [[and,]]
partially performing the scan job at a node connected to the scanning device in response to the SDL commands; and,
wherein constructing the scan job using SDL commands includes forming SDL commands to perform the selected segmentation options.

2. (currently amended) The method of claim 1 wherein constructing [[a]] the scan job using SDL commands includes constructing the scan job at [[a]] the node selected from [[the]] a group including a scanning device front panel, a connected web page, and a client connected to the scanning device.

3. (currently amended) The method of claim 2 further comprising:

initiating the scan job from [[a]] the node selected from [[the]] a group including a front panel of the scanning device, a connected client, and a connected web page.

4. (currently amended) The method of claim 1 wherein partially performing the scan job at [[a]] the node connected to the scanning device includes partially performing the scan job at [[a]] the node selected from [[the]] a group including a locally connected client, a network-connected client, a network-connected server, a locally connected server, another scanning device, and a telephone network-connected client.

5. (currently amended) The method of claim 1 further comprising:
selecting scan options chosen from [[the]] a group including resolution (dpi), cropping, output format, destination, compression method, encryption method, access control, and job scheduling; and,
wherein constructing [[a]] the scan job using SDL commands includes forming SDL commands to perform the selected scan options.

6. (currently amended) The method of claim 1 further comprising:
selecting image manipulation options chosen from [[the]] a group including rotation, negative image, mirror image, zoom, fit-to-size, watermark, caption, metadata inclusion, and color adjustment; and,

wherein constructing [[a]] the scan job using SDL commands includes forming SDL commands to perform the selected image manipulation options.

7. canceled

8. (currently amended) The method of claim 1 wherein partially performing the scan job at the scanning device includes initially performing a part of the scan job task at the scanning device; and,

wherein partially performing the scan job at [[a]] the node connected to the scanning device includes subsequently performing a part of the scan job task at [[a]] the node scan subsystem.

9. (currently amended) The method of claim 1 wherein partially performing the scan job at [[a]] the node connected to the scanning device includes initially performing a part of the scan job task at [[a]] the node scan subsystem_{[[,]]} prior to despooling the scan job; and,

wherein partially performing the scan job at the scanning device includes subsequently performing a part of the scan job task at the scanning device.

10. (currently amended) The method of claim 9 wherein partially performing the scan job at [[a]] the node connected to the scanning device includes finishing the scan job task at [[a]] the node

scan subsystem, subsequent to partially performing scan job tasks at the scanning device.

11. (original) The method of claim 1 further comprising:

deleting SDL commands from the scan job associated with a particular task, after the task is performed.

12. (currently amended) The method of claim 11 wherein constructing [[a]] the scan job using SDL commands includes constructing a scan job including SDL commands and scanned document data; and,

the method further comprising:

substituting scanned document data in the scan job, following the completion of a scan job SDL command.

13. (currently amended) The method of claim 11 further comprising:

inserting new SDL commands in the scan job, following the completion of [[a]] the scan job SDL command.

14. (currently amended) The method of claim 1 wherein constructing [[a]] the scan job using SDL commands includes constructing a first scan job;

wherein partially performing the scan job at the scanning device includes partially performing in response to the first scan job SDL commands; and,

wherein partially performing the scan job at [[a]] the node connected to the scanning device includes partially performing in response to the first scan job SDL commands.

15. (currently amended) In a network including a scanning device, a scan description language (SDL) system for managing scan jobs, the system comprising:

[[a]] the scanning device including a first scan subsystem having an interface to accept [[a]] the scan job constructed using a scan description language (SDL) commands, to accept a scanned document, and to supply at least a partially processed scan jobs in response to the SDL commands; [[and,]]

a first node connected to the scanning device including a second scan subsystem having an interface for accepting the SDL constructed scan job and an interface to supply at least a partially processed scan job in response to the SDL commands; and,

wherein the first node is a device selected from a group consisting of a locally connected client, a network-connected client, a network-connected server, a locally connected server, another scanning device, and a telephone network-connected client.

16. (currently amended) The system of claim 15 further comprising:

a second node including a language assembler having an interface for supplying the scan job SDL commands; and,

wherein the second node is a device selected from ~~[[the]]~~ a group including a front panel of the scanning device, a connected web page, and a client connected to the scanning device.

17. (currently amended) The system of claim 15 further comprising:

a third node having an interface for initiating scan job processing; and,

wherein the third node is a device selected from ~~[[the]]~~ a group including a front panel of the scanning device, a connected client, and a connected web page.

18. canceled

19. (currently amended) The system of claim 15 further comprising:

a fourth node having a scan unit with an interface to receive a document and an interface to supply the scanned document; and,

wherein the fourth node is a device selected from ~~[[the]]~~ a group including the scanning device, another scanning device connected to the scanning device, and a fax machine.

20. (currently amended) The system of claim 16 wherein the second node language assembler has a user interface (UI) for selecting scan options chosen from ~~[[the]]~~ a group including resolution (dpi), cropping, output format, destination, compression method,

encryption method, access control, and job scheduling, the second node supplying scan job SDL commands to perform the selected scan options.

21. (currently amended) The system of claim 16 wherein the second node language assembler has a UI for selecting image manipulation options chosen from [[the]] a group including rotation, negative image, mirror image, zoom, fit-to-size, watermark, caption, metadata inclusion, and color adjustment, the second node supplying scan job SDL commands to perform the selected image manipulation options.

22. (currently amended) The system of claim 16 wherein the second node language assembler has a UI for selecting segmentation options chosen from [[the]] a group including optical character recognition (OCR), font replacement, language translation, filtering, and vector/bitmap enhancements, the second node supplying scan job SDL commands to perform the selected segmentation options.

23. (original) The system of claim 15 wherein the scanning device first scan subsystem initially performs a part of the scan job task; and,

wherein the first node second scan subsystem subsequently performs a part of the scan job task.

24. (original) The system of claim 15 wherein the first node second scan subsystem initially performs a part of the scan job task, prior to despooling the scan job; and,

wherein the scanning device first scan subsystem subsequently performs a part of the scan job task.

25. (original) The system of claim 24 wherein the first node second scan subsystem finishes the scan job tasks, subsequent to the partially performing of the scan job tasks at the scanning device first scan subsystem.

26. (original) The system of claim 15 wherein the scan subsystems delete SDL commands from the scan job associated with a particular task, after the task is performed.

27. (currently amended) The system of claim 26 wherein the scan subsystems accept [[a]] the scan job with scanned document data and substitute scanned document data in the scan job, following the completion of a SDL command.

28. (currently amended) The system of claim 26 wherein the scan subsystems insert new SDL commands in the scan job, following the completion of [[a]] the scan job SDL command.

29. (original) The system of claim 26 wherein the second node language assembler constructs a first scan job;

wherein the scanning device first scan subsystem partially performs the scan job in response to the first scan job SDL commands; and,

wherein the first node second scan subsystem partially performs the scan job in response to the first scan job SDL commands.

30. (new) In a network including a scanning device, a method for using a scan description language (SDL) to manage the processing of a scan job, the method comprising:

- scanning a document at a scanning device;
- constructing a scan job using SDL commands;
- partially performing the scan job at the scanning device in response to the SDL commands; and,
- partially performing the scan job at a node connected to the scanning device in response to the SDL commands, where the node is selected from a group consisting of a locally connected client, a network-connected client, a network-connected server, a locally connected server, another scanning device, and a telephone network-connected client.

31. (new) In a network including a scanning device, a scanning device system for using a scan description language (SDL) system to manage scan jobs, the system comprising:

- a scanning device including a first scan subsystem having an interface to accept a scan job constructed using a scan description language (SDL) commands, to accept a scanned document, and to supply at least a partially processed scan jobs in response to the SDL commands;
- a first node connected to the scanning device including a second scan subsystem having an interface for accepting the SDL constructed scan job and an interface to supply at least a partially processed scan job in response to the SDL commands; and,

wherein the scan subsystems delete SDL commands from the scan job associated with a particular task, after the task is performed.